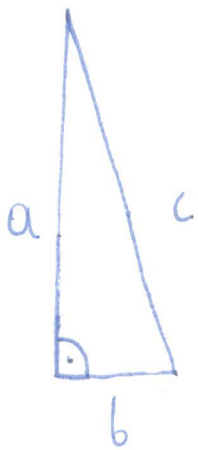


Zad. 2



z treści zadania:

$$\left. \begin{array}{l} a = b + x \\ c = a + x \end{array} \right\} \begin{array}{l} x = a - b \\ x = c - a \end{array} \quad a - b = c - a$$

$$\left. \begin{array}{l} P_{\Delta} = \frac{ab}{2} \\ a - b = c - a \end{array} \right\} \text{z wzoru na pole } \Delta$$

$$\left. \begin{array}{l} c^2 = a^2 + b^2 \\ c = 2a - b \end{array} \right\} \text{z tw. Pitagorasa}$$

$$c = 2a - b$$

$$(2a - b)^2 = a^2 + b^2$$

$$\cancel{4a^2} - 4ab + \cancel{b^2} = \cancel{a^2} + \cancel{b^2}$$

$$3a^2 = 4ab$$

$$3a = 4b$$

$$b = \frac{3}{4}a$$

$$P_{\Delta} = \frac{a \cdot \frac{3}{4}a}{2}$$

Odp.

$$P_{\Delta} = \frac{3}{8}a^2$$